



SPYWOLF

Security Audit Report



Completed on
June 22, 2022

MADE IN USA 

@SPYWOLFNWORK



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SPYWOLF.CO





OVERVIEW

This audit has been prepared for **BRAYZIN** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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BRAYZIN



PROJECT DESCRIPTION

According to their whitepaper:

Brayzin Project will release a free to play, match 3 puzzle game called Brayzin Heist. Players will heist Brayzin tokens as a reward for completing milestone levels within the game. The deeper the players go into Brayzin's game, the more tokens they will earn.

Release Date: Presale starts on July 27, 2022

Category: Play2Earn



CONTRACT INFO

Token Name
Brayzin Heist

Symbol
BRZH

Contract Address
0xBefd18D6Dd7e5b98fBD57FCb61A7cB7A2fc82c68

Network
Binance Smart Chain

Language
Solidity

Deployment Date
June 21, 2022

Verified?
Yes

Total Supply
150,000,000

Status
Not launched

TAXES

Buy Tax
none

Sell Tax
none

*Taxes cannot be changed



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of June 22, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

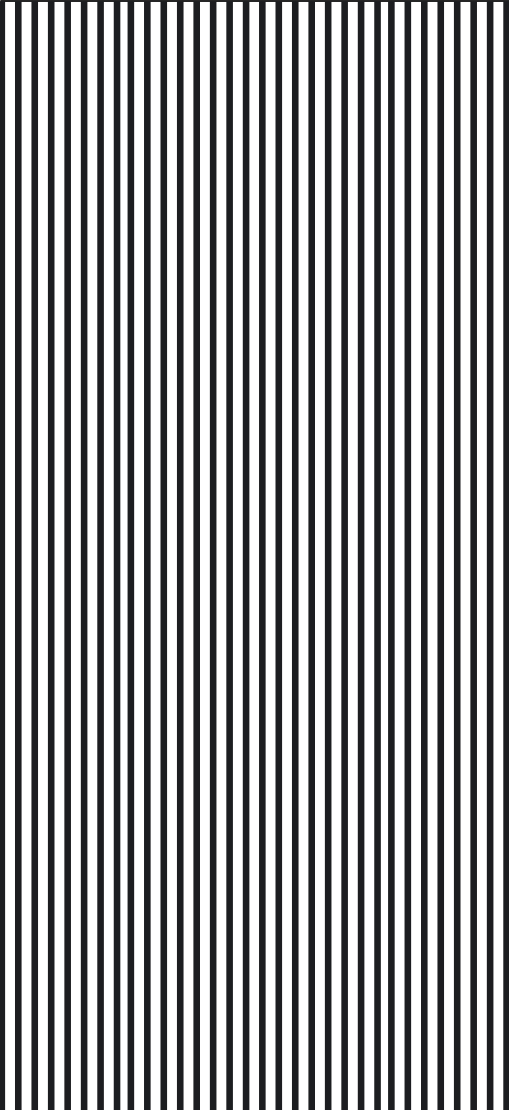
MaxTxAmount
No limit

DEX
Pancakeswap

LP Address(es)



Liquidity not added yet





TOKEN TRANSFERS STATS

Transfer Count	5
Uniq Senders	2
Uniq Receivers	3
Total Amount	169901999 BRZH
Median Transfer Amount	8100000 BRZH
Average Transfer Amount	33980399 BRZH
First transfer date	2022-06-21
Last transfer date	2022-06-21
Days token transferred	1

SMART CONTRACT STATS

Calls Count	16
External calls	3
Internal calls	13
Transactions count	7
Uniq Callers	3
Days contract called	1
Last transaction time	2022-06-21 14:10:02 UTC
Created	2022-06-21 10:57:23 UTC
Create TX	0xa7cf6b6b40d0171629f73666906bbdf0e027b08af0ea624bb199c68841ee7024
Creator	0x864d36c5ad3da1f426591fd298ea97f110f993e0

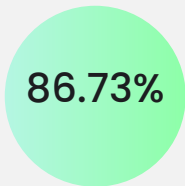


FEATURED WALLETS

Owner address	0x864d36c5ad3da1f426591fd298ea97f110f993e0
LP address	Liquidity not added yet

TOP 3 UNLOCKED WALLETS

1



Same as owner



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

Low Risk

Tokens burn is not possible.

In the whitepaper it is stated that token burns will happen occasionally.

```
function _transfer(  
    address sender,  
    address recipient,  
    uint256 amount  
) internal virtual {  
    require(sender != address(0), "ERC20: transfer from the zero address");  
    require(recipient != address(0), "ERC20: transfer to the zero address");  
    .....  
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

BRAYZIN

GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows

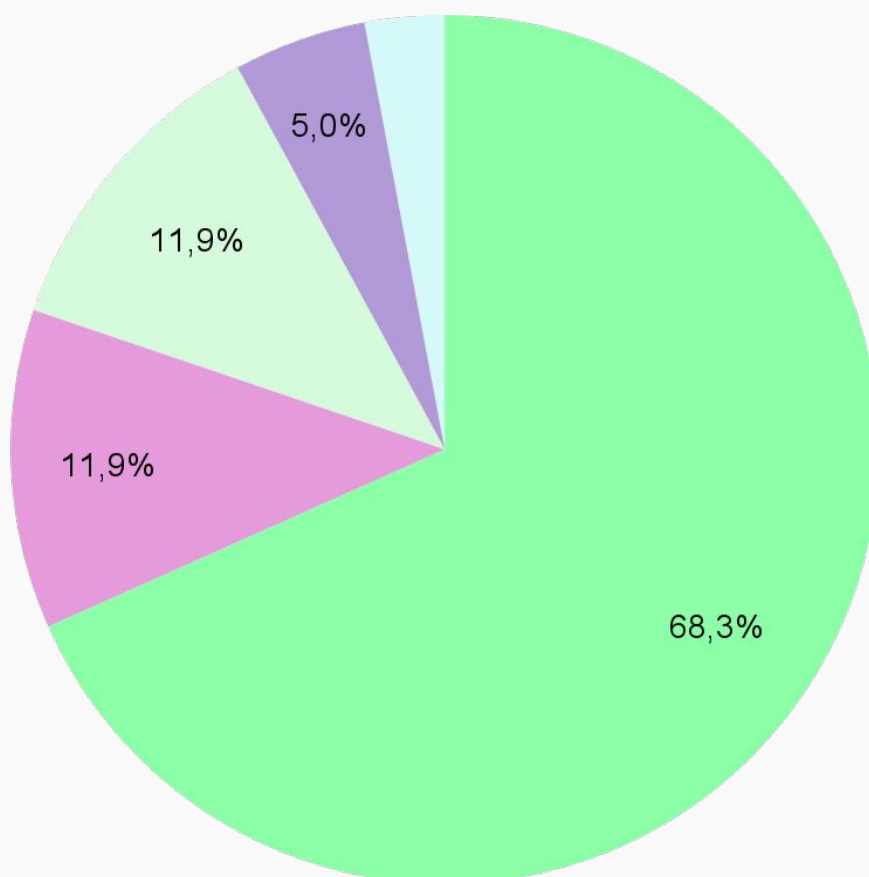


*The following tokenomics are based on the project's whitepaper and/or website:

- 69% - Play to earn
- 12% - Founders
- 12% - ICO sales
- 5% - Liquidity
- 3% - Partner incentives

Token Distribution

- Play to earn
- Founders
- ICO sales
- Liquidity
- Partners



*For ICO vesting periods, check the project's whitepaper

<https://brayzin.io/wp-content/uploads/2022/03/Brayzin-whitepaper-15-Feb-2022-v1.pdf>

TOKENOMICS



THE TEAM

The team has privately doxxed to SPYWOLF by completing the following KYC requirements:

- ID Verification
- Video statement
- Video interview with devs
- Owner's wallet verification

KYC INFORMATION

Issuer

SPYWOLF

Members KYC'd



KYC Date

June 22, 2022

Format

Image

Certificate Link

https://github.com/SpyWolfNetwork/KYCs/blob/main/june/KYC_Brayzin_Heist_0xBefd18D6Dd7e5b98fBD57FCb61A7cB7A2fc82c68.png





WEBSITE

Website URL
<https://brayzin.io/>

Domain Registry
<https://www.namecheap.com/>

Domain Expiration
Expires on 2023-01-17

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

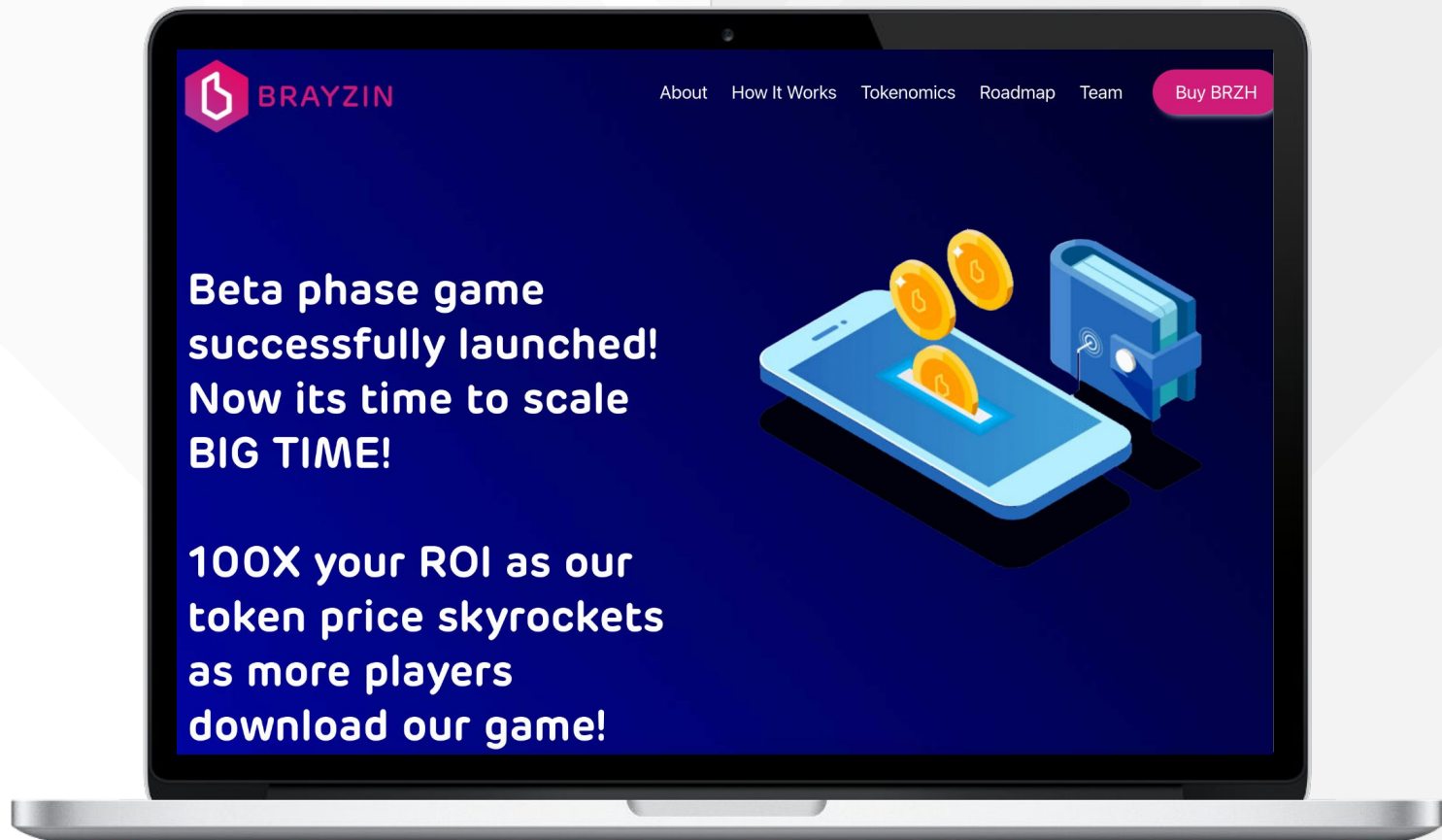
Design
Single page design,
appropriate color scheme
and graphics.

Content
The information helps new
investors understand what
the product does right away.
No grammar errors found.

Whitepaper
Well written, explanatory.

Roadmap
Yes, goals set with time
frames.

Mobile-friendly?
Yes



brayzin.io



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

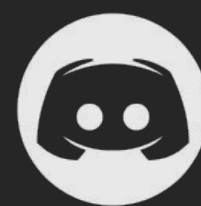
Project's social media accounts are active with organic followers and posts.



Twitter

<https://twitter.com/brayzintoken>

- 1 267 Followers
- Active, few posts per day



Discord

- Not available



Telegram

<https://t.me/brayzintoken>

- 3 915 members
- Active members
- Active mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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- ✓ MORE THAN 500 SCAMS EXPOSED
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- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

To hire us, reach out to
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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.